

**AMENDMENTS TO THE CLAIMS**

Please amend the Claims as follows. Insertions are shown underlined while deletions are ~~struck through~~.

1 (previously presented): A radioprotective material which provides protection from at least one member selected from the group consisting of X-rays, gamma rays and electron beams, the radioprotective material comprising at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives.

2 (original): A radioprotective material comprising at least one member selected from the group consisting of collagens and their derivatives.

3 (canceled)

4 (canceled)

5 (original): A radioprotective product comprising a radioprotective material according to claim 1.

6 (original): A radioprotective product according to claim 5, comprising 0.05 wt.% to 40 wt.% in total of at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives.

7 (original): A radioprotective product according to claim 6, which is at least one member selected from the group consisting of radioprotective plastic product, radioprotective film, radioprotective sheet, radioprotective coating agent, radioprotective cosmetic product, radioprotective fiber and radioprotective preparation.

8 (original): A radiation-resistant medical or experimental material, comprising a radioprotective material according to claim 1.

9 (original): A radiation-resistant medical or experimental material, comprising a radioprotective product according to claim 5.

10 (currently amended): A method of Use of using at least one member component selected from the group consisting of collagens, keratins, silk fibroins and their derivatives ~~as a radioprotective material which provides protection from at least one member selected from the group consisting of X-rays, gamma rays and electron beams,~~ said method comprising adding the component as a radioprotective material to a product to render the product radioprotective.

11 (currently amended): A method of Use of using at least one member component selected from the group consisting of collagens, keratins, silk fibroins and their derivatives ~~for~~

~~the production of a radioprotective material~~ which provides protection from at least one member selected from the group consisting of X-rays, gamma rays and electron beams, said method comprising adding the component to a material to produce a radioprotective material.

12 (currently amended): A method of Use of using at least one member component selected from the group consisting of collagens, keratins, silk fibroins and their derivatives ~~for the production of a radioprotective product~~ which provides protection from at least one member selected from the group consisting of X-rays, gamma rays and electron beams, said method comprising adding the component to a material to produce a radioprotective product in a desired shape.

13 (previously presented): A method for blocking or reducing the adverse effects of at least one type of radiation selected from the group consisting of X-rays, gamma rays and electron beams, the method comprising protecting a subject with a radioprotective material according to claim 1.

14 (original): A method according to claim 13, wherein at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives is administered to, mixed with, coated on or immobilized on a subject.

15 (original): A method according to claim 13, wherein a product comprising at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives is used to protect a subject.

16 (original): A method according to claim 15, wherein a product comprising at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives is placed over, applied to or administered to a subject.

17 (original): A method according to claim 13, wherein at least one member selected from the group consisting of collagens, keratins, silk fibroins and their derivatives is used in such a manner that the at least one member is present inside a subject or inside a surface layer of a subject in a total amount of 0.05 wt.% to 40 wt.%.